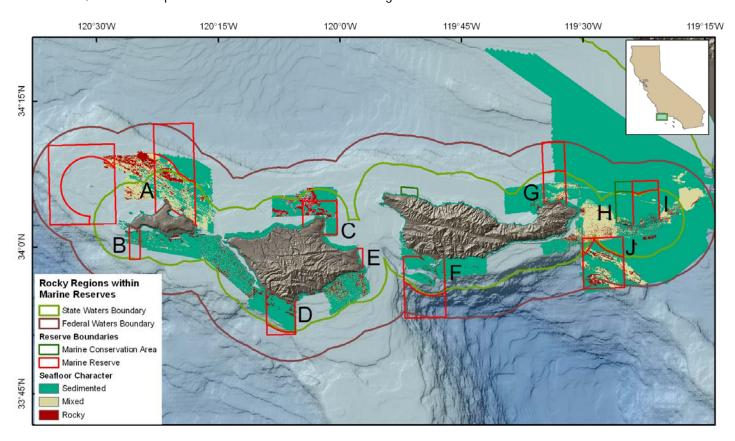
The California Marine Life Protection Act (MLPA) mandates that marine protected areas (MPAs) encompass a range of seafloor habitats and depth zones. To achieve the goals of the Act, it is important that MPAs include substrate types that are representative of the surrounding area. In this study, we used swath sonar to map two key habitats, rocky reefs and soft bottom areas, which are representative of the Channel Islands region.



Approximately one third of the Channel Islands National Marine Sanctuary has been mapped by the USGS Coastal and Marine Geology Program and the Seafloor Mapping Lab at California State University, Monterey Bay (see map above). All MPAs that have been mapped contain rocky reefs and soft bottom areas. Most of the rocky reefs are located in shallow waters within the jurisdiction of the State of California (0-3 nautical miles offshore), with the exception of Footprint Marine Reserve, a deep water rocky ridge. Letters on the map above refer to the MPAs listed below

Percentages of rocky reef in State MPAs

| | MPA Name | State MPA | Federal MPA | Local Area |
|---|-----------------------|-----------|-------------|------------|
| Α | Harris Point SMR | 11% | 0.3% | 11.1% |
| В | Judith Rock SMR | 10% | No Data | 6.9% |
| С | Carrington Point SMR | 20.8% | No Data | 16.4% |
| D | South Point SMR | 7.8% | 0% | 11.9% |
| Ε | Skunk Point SMR | 10% | No Data | 5.1% |
| F | Gull Island SMR | 6.9% | 0% | 5% |
| G | Scorpion SMR | 13.8% | 0% | 8.2% |
| Н | Anacapa SMCA | 1.6% | 0% | 3.2% |
| I | Anacapa SMR | 2.7% | 0% | 3.2% |
| J | Footprint SMR | 1.5% | 12.6% | 1.2% |
| | Santa Barbara Is. SMR | 13.6% | No Data | 4.4% |

The California State Waters
Mapping Program, a consortium of
State, Federal, and Industry
agencies, will map the remaining
areas of all State waters within the
next two years.

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SMR = State Marine Reserve; SMCA = State Marine Conservation Area